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Substitute for form 1449  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Attorney Docket Number		80050 (US02)			
				First Named Inventor		Richard Kingsley Stuart, Jr. et al.			
				COMPLETE IF KNOWN					
				Application Number					
				Filing Date					
Group Art Unit									
Sheet	1	of	3	Examiner Name					

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code <sup>2</sup> (if known)		
P.S.		3,896,069		Kosaka et al.	07-22-1975
.		4,091,134		Uemura et al.	05-23-1978
.		4,145,298		Trepka	03-20-1979
.		4,238,202		Trepka et al.	12-09-1980
.		4,240,946		Hemersam	12-23-1980
.		4,242,246		Maldonado et al.	12-30-1980
.		4,328,147		Chang et al.	05-04-1982
.		4,330,449		Maldonado et al.	05-18-1982
.		4,382,989		Chang et al.	05-10-1983
.		4,412,019		Kraus	10-25-1983
.		4,451,598		Decroix	05-29-1984
.		4,497,921		Chang et al.	02-05-1985
.		4,659,759		Jevanoff et al.	04-21-1987
.		4,738,998		Uffner et al.	04-19-1988
.		4,839,404		Chang et al.	06-13-1989
.		4,872,930		Kajikawa et al.	10-10-1989
.		4,933,384		Wolfe	06-12-1990
.		4,978,698		Woodhams	12-18-1990
.		4,988,747		Strommer	01-29-1991
.		5,017,230		Hopkins et al.	05-21-1991
.		5,039,755		Chamberlain et al.	08-13-1991
P.S.		5,070,123		Moran	12-03-1991

Examiner Signature	<i>Peter Suckals</i>	Date Considered	12/13/05
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P.S.		5,095,055		Moran	03-10-1992
A		5,266,615		Omeis et al.	11-30-1993
		5,280,064		Hesp et al.	01-18-1994
		5,302,638		Ho et al.	04-12-1994
		5,314,935		Chaverot et al.	05-24-1994
		5,328,943		Isobe et al.	07-12-1994
		5,380,773		Bellio et al.	01-10-1995
		5,382,612		Chaverot et al.	01-17-1995
		5,473,000		Pinomaa	12-05-1995
		5,482,982		Lakshmanan et al.	01-09-1996
		5,508,112		Planche et al.	04-16-1996
		5,549,744		Puzic et al.	08-27-1996
		5,565,510		Giavarini et al.	10-15-1996
		5,605,946		Planche et al.	02-25-1997
		5,756,565		Germanaud et al.	05-26-1998
		5,773,496		Grubba	06-30-1998
		5,795,929		Grubba	08-18-1998
		5,840,109		Braga et al.	11-24-1998
		6,069,194		Frazen et al.	05-30-2000
		6,087,420		Planche et al.	07-11-2000
		6,127,461		Takamura et al.	10-03-2000
		6,284,820	B1	Braga et al.	09-04-2001
		6,348,525	B1	Takamura et al.	02-19-2002
		6,359,033	B1	Ait-Kadi et al.	03-19-2002
P.S.		6,429,241	B1	Liang	08-06-2002

Examiner Signature	<i>Peter Sulek</i>	Date Considered	12/13/05
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P.S.		6,441,065	B1	Chevillard et al.	08-27-2002
		6,486,249	B1	Dituro et al.	11-26-2002
		6,569,925	B2	Baumgardner et al.	05-27-2003
		2003/0032703	A1	Liang	02-13-2003
		2003/0165682	A1	Menting et al.	09-04-2003
		H1250		Gilmore et al.	11-02-1993

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T <sup>2</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
P.S.		DE	3819931 (abstract)	C2	Veba Oel AG	10-25-1990	
P.S.		JP	6192579 (abstract)	A	Showa Shell Sekiyu KK	12-25-1992	
P.S.		JP	52029621 (abstract)	A	Toyo Soda KK	03-05-1977	
P.S.		JP	62079268	A	Idemitsu Petrochem Co	10-03-1985	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author(in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>

Examiner Signature	<i>Peter S. Kelly</i>	Date Considered	12/13/05
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# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

Attorney Docket Number 80050 US02

First Named Inventor Stuart et al.

COMPLETE IF KNOWN

Application Number 10/706,522

Filing Date November 12, 2003

Group Art Unit 1714

Sheet 1 of 1 Examiner Name

## **U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
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		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			

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PS	✓	Louis T. Germinario and Terry L. Cutshall, "Aging Effects on Compatibility, Stability and Morphology of Asphalt-Polymer Blends, Part I," Petersen Asphalt Research Conference, July, 2002	

Examiner Signature *Peter Sulek* Date Considered 12/13/05

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